

10/731,268

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000113906	A	20000421	JP 1998-282341	19981005
PRIORITY APPLN. INFO.:			JP 1998-282341	19981005

OTHER SOURCE(S): MARPAT 132:267606

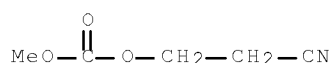
ED Entered STN: 21 Apr 2000

AB The electrolyte solns. use a solvent containing ≥ 1 of $\text{RCOO}(\text{CH}_2)_a\text{CN}$, where R = H or C1-3 alkyl or alkoxy group, a = integer 1-3. The electrolyte is a Li salt or a tetraalkyl quaternary ammonium or phosphonium salt.

IT 260362-83-2
(electrolyte solns. containing carboxylic acid nitrile esters for batteries and elec. capacitors)

RN 260362-83-2 HCAPLUS

CN Carbonic acid, 2-cyanoethyl methyl ester (CA INDEX NAME)



IC ICM H01M010-40

ICS C07C255-14; H01G009-038; H01G009-035; H01M006-16

CC 52-2 (Electrochemical, Radiational, and Thermal Energy Technology)

IT 5325-93-9, 2-Cyanoethyl acetate 20597-73-3, 2-Cyanoethyl propionate 21324-40-3, Lithium hexafluorophosphate 154119-71-8
260362-83-2

(electrolyte solns. containing carboxylic acid nitrile esters for batteries and elec. capacitors)

L41 ANSWER 4 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2000:166259 HCAPLUS Full-text

DOCUMENT NUMBER: 132:210209

TITLE: Secondary nonaqueous-electrolyte batteries with electrolytes containing cyanoethoxy compounds

INVENTOR(S): Kobayashi, Aya; Izuchi, Shuichi

PATENT ASSIGNEE(S): Yuasa Battery Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000077096	A	20000314	JP 1998-244674	19980831
PRIORITY APPLN. INFO.:			JP 1998-244674	19980831

OTHER SOURCE(S): MARPAT 132:210209

ED Entered STN: 14 Mar 2000

AB Claimed batteries are equipped with electrolytes containing cyanoethoxy compds. $\text{R}(\text{OC}_2\text{H}_4\text{CN})_n$ ($n = 1-4$; R = $\text{C}_m\text{H}_{2m+2-n}$, $\text{C}_m\text{H}_{2m+2-n}(\text{OC}_2\text{H}_4)_p$, $\text{C}_m\text{H}_{2m+2-n}\text{CO}$, or $\text{C}_m\text{H}_{2m+2-n}\text{OCO}$; $m = 1-3$; $p = 1-4$) as nonaq. solvents for Li salts. Optionally, the batteries are equipped with gelled polymer electrolytes. The batteries have long cycle life at low temperature

IT 260362-83-2
(solvents; nonaq. batteries with electrolytes containing cyanoethoxy